

Claims

What is claimed is:

1. A method of removing a head of a golf club from a shaft of the golf club, comprising:
 - a. securing the shaft of the golf club;
 - b. introducing a force on the head of the golf club, the force alone being capable of detaching the head of the golf club from the shaft of the golf club but for an epoxy bond securing the head of the golf club to the shaft of the golf club; and
 - c. heating the head of the golf club to a temperature which breaks the epoxy bond securing the head of the golf club to the shaft of the golf club, whereby the force detaches the head of the golf club from the shaft of the golf club.

2. A method of removing a head of a golf club from a shaft of the golf club, comprising:
 - a. securing the shaft of the golf club;
 - b. compressing a spring which introduces a force on the head of the golf club, the force alone being capable of detaching the head of the golf club from the shaft of the golf club but for an epoxy bond securing the head of the golf club to the shaft of the golf club to the shaft of the golf club; and
 - c. heating the head of the golf club to a temperature which breaks the epoxy bond securing the head of the golf club to the shaft of the golf club, whereby the force detaches the head of the golf club from the shaft of the golf club.

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3. An apparatus for removing a head of a golf club from a shaft of the golf club,

comprising:

- a. a frame;
- b. a clamping mechanism connected to the frame for securing the golf club;

and

- c. a force mechanism connected to the frame, including
 - i. a hydraulic piston,
 - ii. a hollow shaft having an open end and a closed end, the

closed end connected to the distal end of the piston,

iii. a spring having a first end and a second end, the spring residing within the hollow shaft with the first end abutting the closed end of the shaft, and

iv. a turret having a smaller diameter portion and a larger diameter portion, the smaller diameter portion inserted in the open end of the shaft and abutting the second end of the spring, the larger diameter portion being external to the shaft and having a slot designed to engage the shaft of the golf club while abutting the head of the golf club.

4. An apparatus for removing a head of a golf club from a shaft of the golf club,

comprising:

- a. a frame including a block having a bore there through;
- b. a hydraulic piston mounted on the frame;
- c. a clamping mechanism connected to the frame for securing the golf club;

d. a hollow shaft extending from the piston and slidably resident within the bore;

e. a spring residing within the hollow shaft; and

f. a turret in removable communication with the hollow shaft via the spring, the turret engaging the head of the golf club for transferring a force stored in the spring and created by the piston to the head of the golf club.

5. The apparatus of claim 4 further comprising an alignment spring for resisting axial movement of the shaft in response to the force created by the piston.

6. The apparatus of claim 4 wherein the turret is coaxially rotatable relative to the shaft to position slots of differing size in engaging alignment with the shaft of the golf club to bear against the head of the golf club.

7. The apparatus of claim 4 wherein the turret partially resides slidably within the hollow shaft and includes a plurality of open slots around the periphery thereof for receiving golf club shafts of differing diameters.

8. The apparatus of claim 6 further comprising an alignment spring connected to the shaft and the frame for resisting axial movement of the shaft in response to the force created by the piston.

9. The apparatus of claim 4 wherein the clamping mechanism is manually actuatable.

10. The apparatus of claim 4 wherein the piston is manually actuatable.

11. The apparatus of claim 4 wherein the clamping mechanism includes a manually actuatable screw for adjusting the magnitude of securing force to a golf club.

12. The apparatus of claim 4 wherein the piston includes a piston handle pivotally movable with respect to the remainder of the piston in a horizontal plane, the horizontal plane being within the longitudinal extremities of the frame.

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